

CURRENT DETECTION UNIT OF INVERTER

ABSTRACT OF THE DISCLOSURE

A current detection unit of an inverter outputs currents to a load, such as a motor includes a device for measuring a DC current flowing in the inverter. The current detection unit also includes a measurement time setting device for setting a measurement time of power source currents at at least one of an uppermost point and a lowest point of a reference chopping wave with a predetermined frequency, and a current phase detection means for detecting at least two phase currents from respective power source currents measured at two or more measurement times sequential to each other. A phased current output from the inverter to a load, such as a motor, may be detected with a high degree of accuracy and at a constant period.